

GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU
MECHANICAL ENGINEERING
LIST OF NPTEL WEB COURSES

S.NO	Course Name	Coordinators	Institute	Web Link
1	Computer Aided Design and Manufacturing I	Prof. Anoop Chawla	IIT Delhi	http://nptel.ac.in/course/s/112102102/
2	Computer Aided Design and Manufacturing II	Prof. P.V. Madhusudan	IIT Delhi	http://nptel.ac.in/course/s/112102103/
3	Mechanics	Prof. A. Dasgupta	IIT Kharagpur	http://nptel.ac.in/course/s/112105164/
4	Advanced Engineering Thermodynamics	Prof. P. Mahanta	IIT Guwahati	http://nptel.ac.in/course/s/112103016/
5	Advanced Manufacturing Processes	Dr. Pradeep Kumar	IIT Roorkee	http://nptel.ac.in/course/s/112107077/
		Dr. A. K. Sharma		
6	Applied Thermodynamics	Prof. J.M. Mallikarjuna	IIT Madras	http://nptel.ac.in/course/s/112107077/
		Prof. U.S. Premananda		
		Prof. T. Sundararajan		
7	Automation & Controls	Dr. S. Jha	IIT Delhi	http://nptel.ac.in/course/s/112102011/
8	Basic Thermodynamics	Prof. Gautam Biswas	IIT Kanpur	http://nptel.ac.in/course/s/112104113/
		Prof. Y.V.C. Rao		
9	Basic Thermodynamics	Prof. Pradip Dutta	IISc Bangalore	http://nptel.ac.in/course/s/112108148/
		Prof. K. Srinivasan		
10	Computational Fluid Dynamics	Dr. K. M. Singh	IIT Roorkee	http://nptel.ac.in/course/s/112107080/
11	Computational Fluid Dynamics and Heat Transfer	Prof. Gautam Biswas	IIT Kanpur	http://nptel.ac.in/course/s/112104030/
12	Computational Fluid Dynamics for Turbomachinery	Prof. B.V.S.S.S. Prasad	IIT Madras	http://nptel.ac.in/course/s/112106061/
		Dr. Y.V.S.S. Sanyasiraju		
13	Computational Heat Transfer and Fluid Flow	Prof. Pradip Dutta	IISc Bangalore	http://nptel.ac.in/course/s/112108091/
14	Convective Heat and Mass Transfer	Dr. Amaresh Dalal	IIT Guwahati	http://nptel.ac.in/course/s/112104159/
15		Prof. Gautam Biswas	IIT Kanpur	

16	Design For Manufacturing	Prof. A. De	IIT Bombay	http://nptel.ac.in/course/s/112101005/
17	Design of Machine Elements I	Prof. G. Chakraborty	IIT Kharagpur	http://nptel.ac.in/course/s/112105125/
19	Dynamics of Machines	Prof. C. Amarnath	IIT Bombay	http://nptel.ac.in/course/s/112101096/
		Prof. K. Kurien Issac		
		Prof. P. Seshu		
20	Engine Combustion	Prof. B.P. Pundir	IIT Kanpur	http://nptel.ac.in/course/s/112104033/
21	Engineering Drawing	Prof. P.S. Robi	IIT Guwahati	http://nptel.ac.in/course/s/112103019/
22	Engineering Mechanics	Prof. U.S. Dixit	IIT Guwahati	http://nptel.ac.in/course/s/112103109/
23	Finite Element Method	Prof. P.M. Dixit	IIT Kanpur	http://nptel.ac.in/course/s/112104116/
24	Fluid Machinery	Prof. S. Sarkar	IIT Kanpur	http://nptel.ac.in/course/s/112104117/
		Prof. Gautam Biswas	IIT Kharagpur	
		Prof. S.K. Som		
25	Fluid Mechanics	Prof. Gautam Biswas	IIT Kanpur	http://nptel.ac.in/course/s/112104118/
		Prof. S.K. Som	IIT Kharagpur	
26	Fluid Power Control	Prof. Jagadeesha T	IIT Madras	http://nptel.ac.in/course/s/112106175/
27	Forming	Dr. R. Chandramouli	SASTRA University	http://nptel.ac.in/course/s/112106153/
28	Fundamentals of Industrial Oil Hydraulics and Pneumatics	Prof. R.N. Maiti	IIT Kharagpur	http://nptel.ac.in/course/s/112105046/
29	Gas Dynamics	Dr. Vinayak Kulkarni	IIT Guwahati	http://nptel.ac.in/course/s/112103021/
30	Heat and Mass Transfer	Prof. Pradip Dutta	IISc Bangalore	http://nptel.ac.in/course/s/112108149/
31	Industrial Engineering	Prof. P.K. Jain	IIT Roorkee	http://nptel.ac.in/course/s/112107142/
		Prof. H.S. Shan		
		Dr. Pradeep Kumar		
32	Introduction to Composites	Prof. Nachiketa Tiwari	IIT Kanpur	http://nptel.ac.in/course/s/112104168/
33	Introduction to Nuclear Engineering	Prof. Kannan.N.Iyer	IIT Bombay	http://nptel.ac.in/course/s/112101007/

34	Introduction to Turbulence	Prof. Gautam Biswas	IIT Kanpur	http://nptel.ac.in/course/s/112104120/
35	Kinematics	Prof. Sudipto Mukherjee	IIT Delhi	http://nptel.ac.in/course/s/112102105/
		Prof. Ashok K Mallik	IIT Kanpur	
36	Machine Design II	Prof. M.M. Mayuram	IIT Madras	http://nptel.ac.in/course/s/112106137/
		Prof. K. Gopinath		
37	Manufacturing Processes I	Dr. Pradeep Kumar	IIT Roorkee	http://nptel.ac.in/course/s/112107144/
		Prof. S.R. Gupta		
		Prof. H.S. Shan		
38	Manufacturing Processes II	Prof. S. Paul	IIT Kharagpur	http://nptel.ac.in/course/s/112105127/
		Prof. A.B. Chattopadhyay		
		Prof. A.K. Chattopadhyay		
39	Materials Science	Prof. Satish V Kailas	IISc Bangalore	http://nptel.ac.in/course/s/112108150/
40	Materials Selection and Design	Prof. Bishakh Bhattacharya	IIT Kanpur	http://nptel.ac.in/course/s/112104122/
41	Mechanical Measurements and Metrology	Prof. Shunmugam M.	IIT Madras	http://nptel.ac.in/course/s/112106139/
		Prof. S.P. Venkateshan		
42	Mechanical Vibrations	Prof. S.K. Dwivedy	IIT Guwahati	http://nptel.ac.in/course/s/112103111/
		Prof. Rajiv Tiwari		
43	Mechanics of Laminated composite structure	Prof. Nachiketa Tiwari	IIT Kanpur	http://nptel.ac.in/course/s/112104161/
44	Mechatronics and Manufacturing Automation	Dr. Shrikrishna N. Joshi	IIT Guwahati	http://nptel.ac.in/course/s/112103174/
45	Modelling and control of Dynamic Electro-Mechanical System	Prof. Bishakh Bhattacharya	IIT Kanpur	http://nptel.ac.in/course/s/112104158/
46	Nonlinear Vibration	Prof. S.K. Dwivedy	IIT Guwahati	http://nptel.ac.in/course/s/112103022/
47	Optical Measurement Techniques in Thermal Sciences	Prof. P.K. Panigrahi	IIT Kanpur	http://nptel.ac.in/course/s/112104039/
		Prof. K. Muralidhar		
48	Principles of Vibration Control	Prof. Bishakh Bhattacharya	IIT Kanpur	http://nptel.ac.in/course/s/112104040/

49	Processing of non metals	Dr. Inderdeep Singh	IIT Roorkee	http://nptel.ac.in/courses/112107085/
50	Project and Production Management	Prof. S.G. Deshmukh	IIT Delhi	http://nptel.ac.in/courses/112102107/
		Prof. Arun Kanda		
51	Random vibrations & Failure Analysis	Dr. Sayan Gupta	IIT Madras	http://nptel.ac.in/courses/112106072/
52	Refrigeration and Air Conditioning	Prof. M. Ramgopal	IIT Kharagpur	http://nptel.ac.in/courses/112105129/
53	Robotics	Prof. P. Seshu	IIT Bombay	http://nptel.ac.in/courses/112101098/
		Prof. P.S. Gandhi		
		Prof. K. Kurien Issac		
		Prof. B. Seth		
		Prof. C. Amarnath		
54	Robotics: Advanced Concepts and Analysis	Prof. Ashitava Ghosal	IISc Bangalore	http://nptel.ac.in/courses/112108093/
55	Second Level Course in Heat Transfer	Prof. R.P. Vedula	IIT Bombay	http://nptel.ac.in/courses/112101001/
56	Smart Material, Adaptive Structures and Intelligent Mechanical Systems - IITK	Prof. Nachiketa Tiwari	IIT Kanpur	http://nptel.ac.in/courses/112104173/
		Prof. Bishakh Bhattacharya		
57	Solar Energy Technology	Prof. V.V. Satyamurty	IIT Kharagpur	http://nptel.ac.in/courses/112105050/
58	Sound Propagation Through Media	Prof. Nachiketa Tiwari	IIT Kanpur	http://nptel.ac.in/courses/112104176/
59	Strength of Materials	Prof. M.S. Sivakumar	IIT Madras	http://nptel.ac.in/courses/112106141/
60	Strength of Materials	Dr. Satish C Sharma	IIT Roorkee	http://nptel.ac.in/courses/112107146/
61	Structural Health Monitoring of Composites	Prof. Anand Kumar	IIT Kanpur	http://nptel.ac.in/courses/112104160/
		Prof. Bishakh Bhattacharya		
62	Theory & Practice of Rotor Dynamics	Prof. Rajiv Tiwari	IIT Guwahati	http://nptel.ac.in/courses/112103024/
63	Tribology	Dr. Harish Hirani	IIT Delhi	http://nptel.ac.in/courses/112102015/
64	Vibration control	Dr. S. P. Harsha	IIT Roorkee	http://nptel.ac.in/courses/112107088/
65	Vibration of Structures	Prof. A. Dasgupta	IIT Kharagpur	http://nptel.ac.in/courses/112105054/

66	Wave Propagation in Continuous Media	Prof. S.P. Kastagir	IIT Kharagpur	http://nptel.ac.in/courses/112105165/
		Prof. A. Dasgupta		
67	Welding Engineering	Dr. D. K. Dwivedi	IIT Roorkee	http://nptel.ac.in/courses/112107090/
68	Advanced Fluid Mechanics	Dr. N. Sahoo	IIT Guwahati	http://nptel.ac.in/syllabus/syllabus.php?subjectId=112106185
		Dr. K. Arul Prakash	IIT Madras	
69	Advanced Robotics	Prof. Sudipto Mukherjee	IIT Delhi	http://nptel.ac.in/syllabus/syllabus.php?subjectId
70	Analysis & Design of Smart Materials and Structures	Dr. A. Arockiarajan	IIT Madras	http://nptel.ac.in/syllabus/syllabus.php?subjectId
71	Continuum Mechanics	A. Narayana Reddy	IIT Guwahati	http://nptel.ac.in/syllabus/syllabus.php?subjectId
72	Dynamics of Mechanical System	Dr. Satish C Sharma	IIT Roorkee	http://nptel.ac.in/syllabus/syllabus.php?subjectId
73	Gas Dynamics and Jet Propulsion	Prof. P.M.V. Subbarao	IIT Delhi	http://nptel.ac.in/syllabus/syllabus.php?subjectId
74	Mechanics of Materials	Dr. Sumit Basu	IIT Kanpur	http://nptel.ac.in/syllabus/syllabus.php?subjectId
75	Metal Casting	Dr. D. B. Karunakar	IIT Roorkee	http://nptel.ac.in/syllabus/syllabus.php?subjectId
76	Rapid Manufacturing	Dr. N. Venkata Reddy	IIT Kanpur	http://nptel.ac.in/syllabus/syllabus.php?subjectId
77	Technology of Surface Coating	Prof. A.K. Chattopadhyay	IIT Kharagpur	http://nptel.ac.in/syllabus/syllabus.php?subjectId
78	Variational Methods and Structural Optimization	Prof. G.K. Anathasuresh	IISc Bangalore	http://nptel.ac.in/syllabus/syllabus.php?subjectId
79	Machinery fault diagnosis and signal processing	Prof. A.R. Mohanty	IIT Kharagpur	http://nptel.ac.in/syllabus/syllabus.php?subjectId